

Comparisons of Job Characteristics

Focus Occupation: [Locomotive Firers \(53-4012\)](#)

Associated Occupation: [Rail-Track Laying and Maintenance Equipment Operators \(47-4061\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Locomotive Firers (53-4012)

Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|--|
| Mechanical | 6.8 | 12.1 | 12.4 | 0 | Current knowledge level may be sufficient |
| Building and Construction | 4.0 | 10.7 | 2.0 | << | Extensive education and/or training may be required |
| Transportation | 4.6 | 9.8 | 12.9 | >> | Current knowledge level is likely more than sufficient |
| Public Safety and Security | 6.9 | 8.9 | 11.8 | >> | Current knowledge level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Locomotive Firers (53-4012)

Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Operation Monitoring | 6.6 | 11.2 | 12.7 | > | Skill level is likely sufficient |
| Operation and Control | 5.4 | 10.7 | 12.0 | > | Skill level is likely sufficient |
| Repairing | 3.4 | 10.2 | 6.0 | << | Extensive development of skills in this area may be required |
| Quality Control Analysis | 5.9 | 9.7 | 7.7 | < | A higher skill level may be required |
| Equipment Maintenance | 3.5 | 9.5 | 6.6 | << | Extensive development of skills in this area may be required |
| Troubleshooting | 4.5 | 9.5 | 7.9 | < | A higher skill level may be required |
| Equipment Selection | 3.3 | 7.2 | 4.1 | << | Extensive development of skills in this area may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 71 | | | |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Locomotive Firers (53-4012) Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Control Precision | 6.6 | 12.8 | 11.8 | 0 | Current ability level may be sufficient |
| Multilimb Coordination | 6.0 | 12.2 | 10.5 | < | Some improvement in abilities may be required |
| Reaction Time | 4.8 | 11.5 | 13.0 | > | Current ability level is likely sufficient |
| Static Strength | 5.0 | 11.4 | 5.1 | << | Extensive improvement in abilities may be required |
| Depth Perception | 5.3 | 11.1 | 10.5 | 0 | Current ability level may be sufficient |
| Far Vision | 7.8 | 11.1 | 13.8 | > | Current ability level is likely sufficient |
| Response Orientation | 4.0 | 9.8 | 11.4 | > | Current ability level is likely sufficient |
| Dynamic Strength | 3.5 | 9.0 | 3.9 | << | Extensive improvement in abilities may be required |
| Speed of Limb Movement | 3.2 | 8.9 | 5.2 | << | Extensive improvement in abilities may be required |
| Stamina | 4.0 | 8.8 | 5.1 | << | Extensive improvement in abilities may be required |
| Glare Sensitivity | 2.6 | 7.3 | 7.6 | 0 | Current ability level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

| | | |
|---|--|--|
| Tools and Technologies that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: n/a |
| Focus Occupation: Locomotive Firers (53-4012) Associated Occupation: Rail-Track Laying and Maintenance Equipment Operators (47-4061) | | |
| Tools and Technologies | | Exclusivity |
| Tools and technology data is unavailable for one or both occupations. | | |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.